

**AMENDMENTS TO THE SPECIFICATION:**

Please replace paragraph [0114] with the following amended paragraph [0114]:

[0114] The invention further comprises a system for monitoring changes in the movements of a heart muscle, ~~such as shown in Figure 17, where~~ wherein the sensor is designed to emit signals that reflect the functioning of the heart, to a calculation unit. It may be tied in to further biosensors that are integrated into the accelerometer or fixed to the pacemaker electrode in order to give off signals that are characteristic to the functions of a heart.